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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

SUGIYAMA, Akinari et al

Serial No.: 10/593,322

Filed: September 18, 2006

For: METHOD FOR PRODUCING FLUORINE-CONTAINING HALIDE



Group Art Unit: 1614

Examiner: Not Yet Assigned

P.T.O. Confirmation No.: 7552

**INFORMATION DISCLOSURE STATEMENT**  
**PURSUANT TO 37 CFR 1.97(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

December 14, 2006

Sir:

The attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached Form PTO-1449. One copy of each of these documents is attached.

No fee is required in connection with this Information Disclosure Statement, since it is being submitted prior to the issuance of a first official action on the merits or expiration of the three month period following the filing date or the entry of the national stage of the above-captioned application.

The above information is presented so that the Patent and Trademark Office can, in the first instance, determine any materiality thereof to the claimed invention. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the documents cited in the attached Form PTO-1449 be made of record therein and appear on the first page of any patent to issue therefrom.

Serial No.: 10/593,322

The Commissioner is authorized to charge our Deposit Account No. 01-2340 for any fee deemed by the Patent and Trademark Office to be required to effect consideration of this statement.

Respectfully submitted,

ARMSTRONG, KRATZ, QUINTOS, HANSON & BROOKS, LLP



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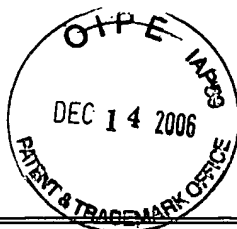
Atty. Docket No. 060706  
Suite 1000, 1725 K Street, N.W.  
Washington, D.C. 20006  
(202) 659-2930  
DWH/nk



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PATENT TRADEMARK OFFICE

Enclosures: PTO1449, 3 References



|   |                                       |                       |
|---|---------------------------------------|-----------------------|
| <b>INFORMATION<br/>DISCLOSURE<br/>CITATION<br/>PTO-1449</b> | Atty. Docket No. 060706               | Serial No. 10/593,322 |
|   | Applicant(s): SUGIYAMA, Akinari et al | Confirmation No. 7552 |
|   | Filing Date: September 18, 2006       | Group Art Unit: 1614  |

**U.S. PATENT DOCUMENTS**

| Examiner<br>Initial |    | Document No. | Name         | Date     | Class | Sub<br>class | Filing Date<br>(If appropriate) |
|---------------------|----|--------------|--------------|----------|-------|--------------|---------------------------------|
|                     | AA | 4,912,269    | Drivon et al | 3/27/90  | 570   | 142          |                                 |
|                     | AB | 5,057,633    | Drivon et al | 10/15/91 | 570   | 142          |                                 |

**FOREIGN PATENT DOCUMENTS**

|    | Document No. | Date | Country | Translation<br>(Yes or No) |
|----|--------------|------|---------|----------------------------|
| AC |              |      |         |                            |
| AD |              |      |         |                            |
| AE |              |      |         |                            |
| AF |              |      |         |                            |
| AG |              |      |         |                            |
| AH |              |      |         |                            |
| AI |              |      |         |                            |
| AJ |              |      |         |                            |
| AK |              |      |         |                            |
| AR |              |      |         |                            |
| AS |              |      |         |                            |

**OTHER DOCUMENTS**

|          |                 |  |
|----------|-----------------|--|
|          | AT              | Oudrhiri-Hassani et al; "Thermolyse Des Halogenures de Perfluoroalcanesulfonyle;" J. Fluorine Chem. 25 (1984) pp491-504. |
| Examiner | Date Considered |  |



## List of publications

|     | English language documents                             | First cited in foreign application<br>Yes/No/—*<br>Check after >3 months from filing/national entry |
|-----|--|---|
|     | U.S. patent : patentee/number/issue date               |   |
|     | Foreign patent: country/number/publication date        |   |
|     | Publication : author/place/title/page/publication date |   |
| (a) | U.S. Pat. No. 4912269                                  | —   |
| (b) | U.S. Pat. No. 5057633                                  | —   |
| (c) | Journal of Fluorine Chemistry, 25 (1984), 491-504      | —   |
|     |  |   |
|     |  |   |

|     | Non-English language documents  | English translation of Office Action<br><br>Yes/No | Concise statement<br><br>Yes/No | English translation<br><br>Yes/No Partial | English abstract<br><br>Yes/No | First cited in foreign application<br>Yes/No/--*<br><br>Check after >3 months from filing/ national entry |
|-----|---|--|---------------------------------|---|--------------------------------|---|
|     | Foreign patent : country/number/publication date<br>Publication : author/place/title/page/publicationdate |  |                                 |   |                                |   |
| (1) |   |  |                                 |   |                                |   |
| (2) |   |  |                                 |   |                                |   |
| (3) |   |  |                                 |   |                                |   |
| (4) |   |  |                                 |   |                                |   |
| (5) |   |  |                                 |   |                                |   |
| (6) |   |  |                                 |   |                                |   |
|     |   |  |                                 |   |                                |   |

- ☐ Please note that publications \_\_\_\_\_ were cited in the International Search Report mailed on \_\_\_\_\_ during the international phase of the instant PCT application.
- ◆ Please note that publications (a) to (c) are documents cited in the specification of the above-identified application.
- ☐ Please note that publications \_\_\_\_\_ are those which the applicants are aware of.
- ☐ Please note that publications \_\_\_\_\_ were cited in the European Search Report mailed on \_\_\_\_\_ in connection with the corresponding EP application.